

WHAT IS CLAIMED IS:

1. A light-emitting element which emits light itself, comprising:

a light-emitting portion having a higher refractive index than a refractive index of air; and

a diffraction grating structure provided to a light-emitting side surface of the light-emitting portion,

wherein a minimum light-emission value is equal to or less than 50% of a maximum light-emission value when white light is emitted from said light-emitting portion.

2. The light-emitting element according to claim 1, further comprising:

a color-separation filter provided between said light-emitting portion and said light-emitting side surface,

wherein a minimum value of a spectral product obtained from a light-emission waveform of the white light emitted from said light-emitting portion and a spectral transmittance of said color-separation filter is equal to or less than 50% of a maximum value thereof, whereby the minimum light-emission value is equal to or less than 50% of the maximum light-emission value when the white light is emitted from said light-emitting portion.

3. The light-emitting element according to claim 2, wherein a color-separation filter which has minimum transmittance of equal to or less than 50% of maximum transmittance is used for said color-separation filter.

4. The light-emitting element according to claim 1, wherein said light-emitting portion includes light-emitting materials for at least two primary colors capable of emitting the white light among light-emitting materials for three primary colors.

5. The light-emitting element according to claim 4, wherein a light-emission ratio of the light-emitting materials for said at least two primary colors among the light-emitting materials for the three primary colors is adjusted to make the minimum light-emission value equal to or less than 50% of the maximum light-emission value when the white light is emitted from said light-emitting portion.

6. The light-emitting element according to claim 4, wherein said light-emitting portion includes the light-emitting materials for said three primary colors.

7. The light-emitting element according to claim 4,

wherein said light-emitting materials exhibit light emission by singlet exciton.

8. The light-emitting element according to claim 2, wherein said light-emitting materials exhibit light emission by triplet exciton.

9. The light-emitting element according to claim 1, wherein said diffraction grating structure has a pitch of a fine convex-concave structure being in a range of from 1 μm to 4 μm , and a depth of said fine convex-concave structure being in a range of from 0.4 μm to 4 μm .

10. The light-emitting element according to claim 9, wherein a ratio of said depth to said pitch in said fine convex-concave structure ranges from 0.25 to 0.60.